

Substrate Conditions and Types of Recovery

Substrate “Bin”	Substrate Description (document all attempts)	DRAFT Acceptance Criteria for Recovery Depths
1	<u>Soft Sediment</u> : full penetration depth expected	Minimum of 20 cm recovery depth in each accepted grab (adjust weights if overpenetration encountered)
2	<u>Sediment with Debris</u> : difficult to consistently achieve good recovery depth (e.g., 20 cm depth)	6 attempts needed at primary location; retain 3 deepest recovery bucket attempts within 50 ft radius of primary location. If composite avg >10 cm depth then analyze; if avg <10 cm then archive pending discussion; only go to Alt 1 if no recovery or access issues
3	<u>Hard Sediment Bottom</u> : lower recovery depth expected	Using all weights, retain 3 of 6 best bucket attempts within 50 ft radius of primary location. If composite avg >10 cm depth then analyze; if avg <10 cm then archive pending discussion and probe the area to determine if Bin 4 conditions; <u>only</u> go to Alt 1 if access issues
4	<u>No Recoverable Sediment</u> : (e.g., bedrock, riprap)	After three grab attempts, if no acceptable sample (NR), use probe to confirm bottom substrate is not recoverable and document

Note: (1) 3 attempts in 25-ft radius and 3 attempts at 50-ft radius = total 6;
(2) In hard bottom, stay on primary location and do the best you can do.